

TENNESSEE

COMMERCIAL

APPLE and PEACH

TREE INVENTORY

1993

TENNESSEE APPLE & PEACH TREE INVENTORY

1993

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INTRODUCTION

Tree fruit production in Tennessee continues to be an important part of the State's agricultural economy. In 1993, apple and peach production combined was valued at 5.7 million dollars. The state's largest fruit tree inventory is apples, followed by peaches.

SURVEY PURPOSE

The purpose of the apple and peach tree inventory survey is to provide the Tennessee fruit producer with accurate tree counts by variety presently being maintained for commercial production. This way the producer can better evaluate the trends and possible variety changes so they can assume a more competitive role in the industry. This report also provides marketing specialists, regional farmers' markets, out-of-state fruit handlers, researchers and extension specialists with information necessary to make more informed decisions and better assist the grower. Similar surveys were conducted in 1967, 1978, 1983, and 1988.

DESCRIPTION & DEFINITION

A survey **of** all known Tennessee commercial apple and peach growers was conducted in the Fall of 1993. For the purposes of this survey, a commercial operation was defined as one with 1 00 or more apple or peach trees. Data collection included tree inventory, variety, and age. The results are presented in this publication along with historic comparisons. ..

SURVEY PROCEDURE

The first step in undertaking this endeavor was to compile a complete list of apple and peach orchards believed to be in commercial production. These lists were then combined with additional names provided by all 95 county Extension Leaders, and completed with names obtained during the survey.

A total of 298 names were on the preliminary list of possible fruit growers contacted in 1993. An initial mailing on October 1 was followed by another mailing near the end of the month. The mail requests accumulated 74 reports, while the remaining reports were acquired by personal interview during November. When all was said and done, the survey netted 136 commercial apple orchards and 96 commercial peach orchards.

THE SURVEY SAID . . .

APPLES

- * *Golden Delicious has replaced Red Delicious as the state's leading variety*
- * *Number of trees is down 13 % from five years ago*
- * *Five varieties account for 71 % of all trees*
- * *90% of all apple trees are of bearing age*
- * *East Tennessee remains the leader in number of trees*
- * *During the last five years, West Tennessee producers removed 34 % of their trees.*
- * *Producers with over 2,500 trees accounted for 69% of production; yet they make up only 13% of the state's 136 apple orchards*
- * *One-half of Tennessee's producers have less than 500 trees*
- * *No significant change is expected in inventory levels*

PEACHES

- * *The Red Haven peach is the clear favorite of the Tennessee peach producer.*
- * *Number of trees has dropped 26 % since 1988*
- * *Numerous varieties are grown statewide. The top five varieties make up 40% of all trees.*
- * *West Tennessee leads the way in number of trees.*
- * *East Tennessee trees are down 40% from five years ago*
- * *96 % of a# peach trees are of bearing age*
- * *More downsizing in sight for the state's peach producers*

APPLES: PRODUCTION, PRICE, AND VALUE, TENNESSEE, 1984-1993

Crop Year	Total Production ¹	Utilized Production ²	Marketing Year Average Price ³	Value of Production ⁴
	million pounds		cents per pound	1000 dollars
1984	13.0	11.5	16.10	1,846
1985	11.0	10.0	13.60	1,358
1986	9.0	8.5	18.50	1,572
1987	15.0	14.0	13.40	1,880
1988	12.5	11.0	15.60	1,720
1989	11.5	10.0	14.80	1,475
1990	8.5	7.7	17.90	1,380
1991	13.0	11.7	15.40	1,807
1992	13.0	12.4	17.60	2,186
1993	21.0	16.1	17.30	2,785

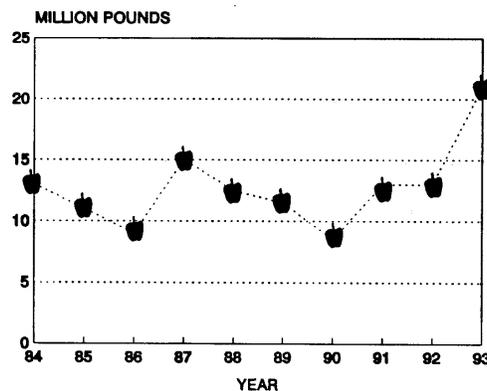
¹Total production is the quantity actually harvested plus quantities which were not harvested because of economic or natural reasons.

²Utilized production is the amount sold plus the quantities used at home or held in storage. ³ Average for all methods of sale. ⁴Value of production is price times utilized production.

APPLES: BEARING TREES AND ACRES, YIELD, AND PRODUCTION, TENNESSEE 1984-1993

Crop Year	Bearing		Yield Per		Total Production
	Trees	Acres	Tree	Acre	
1984	140,000	1,500	92.9	8,670	13.0
1985	150,000	1,500	73.3	7,330	11.0
1986	160,000	1,600	56.3	5,630	9.0
1987	170,000	1,600	88.2	9380	15.0
1988	180,000	1,700	69.4	7,350	12.5
1989	180,000	1,700	63.9	6,760	11.5
1990	190,000	1,800	44.7	4,720	8.5
1991	180,000	1,800	72.2	7,220	13.0
1992	170,000	1,700	76.5	7,650	13.0
1993	175,000	1,700	120.0	12,400	21.0

TOTAL APPLE PRODUCTION, TENNESSEE 1984 - 1993



PEACHES: PRODUCTION, PRICE, AND VALUE, TENNESSEE, 1984-1993

Crop Year	Total Production ¹	Utilized Production ²	Marketing Year Average Price ³	Value of Production
	Million Pounds		Cents Per Pound	1,000 Dollars
1984	10.0	9.0	21.00	1890
1985	₅	₅	₅	₅
1986	4.0	3.7	24.00	888
1987	2.6	2.5	34.60	865
1988	11.0	9.0	29.70	2,673
1989	1.3	1.2	36.90	443
1990	1.3	1.1	37.00	407
1991	6.5	5.8	30.00	1,740
1992	4.2	4.1	35.40	1,451
1993	10.4	7.6	38.00	2,888

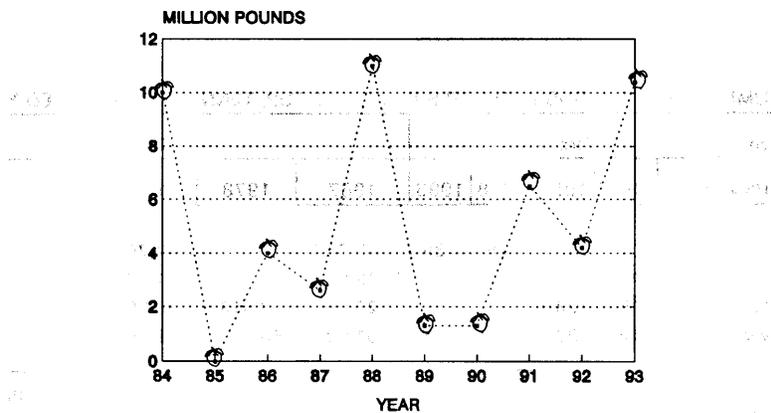
¹ Total production is the quantity actually harvested plus quantities which were not harvested because of economic or natural reasons. ² Utilized production is the amount sold plus the quantities used at home or held in storage. ³ Average for all methods of sale. ⁴ Value of production is price times utilized production. ⁵ No significant production due to frost.

PEACHES: BEARING TREES AND ACRES, YIELD, AND PRODUCTION, TENNESSEE, 1984-1993

Crop Year	Bearing		Yield Per		Total Production
	Trees	Acres	Tree	Acre	Million Pounds
			Pounds		
1984	130,000	1,300	76.9	7,690	10.0
1985	130,000	1,300	₁	₁	₁
1986	140,000	1,400	28.6	2,860	4.0
1987	150,000	1,400	17.3	1,860	2.6
1988	160,000	1,500	68.8	7,330	11.0
1989	160,000	1,500	8.1	870	1.3
1990	170,000	1,600	7.6	810	1.3
1991	180,000	1,800	36.1	3,610	6.5
1992	160,000	1,700	26.3	2,470	4.2
1993	145,000	1,400	71.7	7,430	10.4

¹ No significant production due to frost.

TOTAL PEACH PRODUCTION, TENNESSEE 1984 - 1993



NUMBER OF APPLE TREES DOWN 13% - PEACH TREES DROP 26%

Since 1988, the number of apple orchards declined in all size groups, and there were 29,000 fewer apple trees in Tennessee in 1993. There was a net loss of only one grower in the largest group, but most producers in that category did reduce the size of their orchards. As a result, there were 22,000 fewer trees in the larger orchards. There were nine fewer growers in the next largest category, that translated into almost 7,000 fewer trees. Total trees maintained by producers with less than 1,000 trees remained virtually unchanged, but there were 13 fewer operations of this size in 1993.

Late spring freezes caused many reduced peach crops from 1988 to 1993, and as a result, several growers opted to remove their trees. Since 1988, the number of commercial peach orchards was reduced by 22, and total trees declined by more than 50,000. In 1993, there were only 15 orchards that had more than 2,500 peach trees, compared with 23 orchards in 1988. Total trees fell by 44,000 in this category. The number of commercial growers with less than 500 trees dropped to 35, but total trees were reduced by only 1,500. The number of medium-sized orchards showed very little change from 1988 to 1993, but trees were off by 7,000.

One facet of Tennessee's fruit industry that has remained constant over the years is the fact that the majority of trees are maintained by a handful of producers. Over the past 25 years, growers with over 2,500 trees have dominated the apple and peach industries in terms of volume, but generally represented less than 20 percent of all orchards. In 1993, the 18 largest apple producers made up only a small portion of Tennessee's 136 commercial apple orchards, but accounted for 60 percent of the total trees. Similarly, 61 percent of all peach trees were located in only 15 orchards. There were 96 commercial peach orchards in Tennessee in 1993.

APPLES: NUMBER OF ORCHARDS AND TREES BY SIZE GROUP, TENNESSEE, SELECTED YEARS

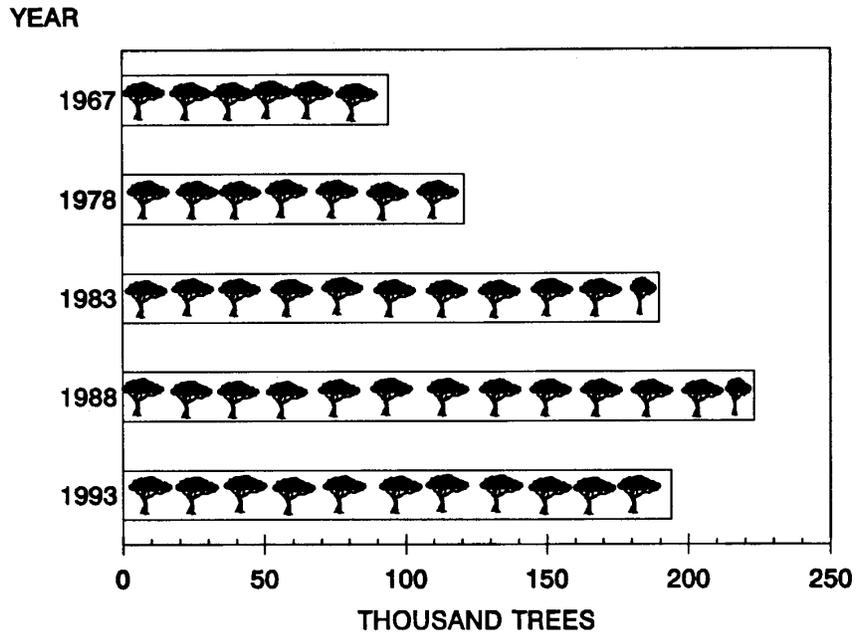
Orchard Size (Number of Trees)	Orchards					Trees				
	1967	1978	1983	1988	1993	1967	1978	1983	1988	1993
100 - 499	65	30	54	74	65	16,773	5,973	12,878	17,476	17,115
500 - 999	16	7	28	29	25	10,415	4,589	19,704	19,326	19,431
1,000 - 2,499	14	12	25	37	28	22,562	17,161	35,506	50,354	43,760
2,500 and over	9	11	16	19	18	44,270	93,094	121,621	135,946	113,584
TOTAL	104	60	123	159	136	94,020	120,817	189,709	223,102	193,890

PEACHES: NUMBER OF ORCHARDS AND TREES BY SIZE GROUP, TENNESSEE, SELECTED YEARS

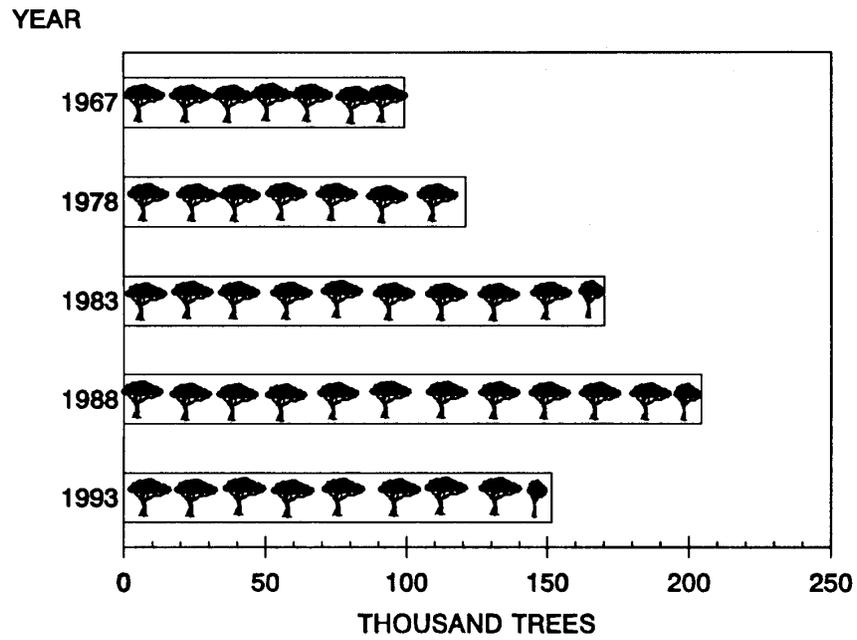
Orchard Size (Number of Trees)	Orchards					Trees				
	1967	1978	1983	1988	1993	1967	1978	1983	1988	1993
100 - 499	36	17	33	46	35	9,067	3,546	7,766	11,350	9,726
500 - 999	20	12	33	26	22	12,971	8,567	21,879	17,085	14,435
1,000 - 2,499	18	15	23	23	24	26,136	23,813	36,708	37,777	33,417
2,500 and over	9	12	20	23	15	51,092	58,350	103,750	138,184	93,957
TOTAL	83	56	109	118	96	99,266	120,817	170,103	204,396	151,535

TOTAL TREES - TENNESSEE, SELECTED YEARS

APPLES



PEACHES



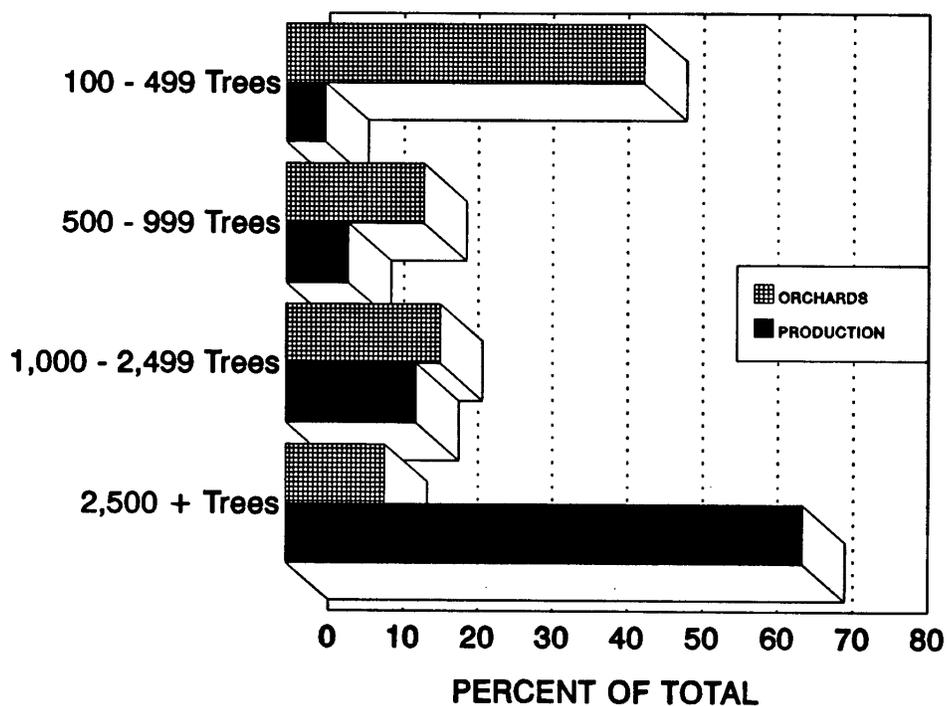
LARGE APPLE GROWERS MADE UP 69% OF PRODUCTION PIE IN 1993

APPLES: NUMBER OF ORCHARDS, BEARING TREES, AND PRODUCTION BY SIZE GROUP, TENNESSEE, 1993

Orchard Size (Trees)	Orchards		Bearing Trees		Production		
	Number	% of Total	Number	% of Total	Pounds	% of Total	Lbs/Tree
100 - 499	65	47.8	12,764	7.3	1,100,000	5.2	86.2
500 - 999	25	18.4	17,480	10.0	1,750,000	8.3	100.0
1,000 - 2,499	28	20.6	40,191	23.0	3,650,000	17.4	90.8
2,500 and over	18	13.2	104,565	59.7	14,500,000	69.0	138.7
TOTAL	136	100.0	175,000	100.0	21,000,000	100.0	120.0

APPLES - PERCENT OF ORCHARDS AND PRODUCTION BY SIZE GROUP TENNESSEE, 1993

ORCHARD SIZE



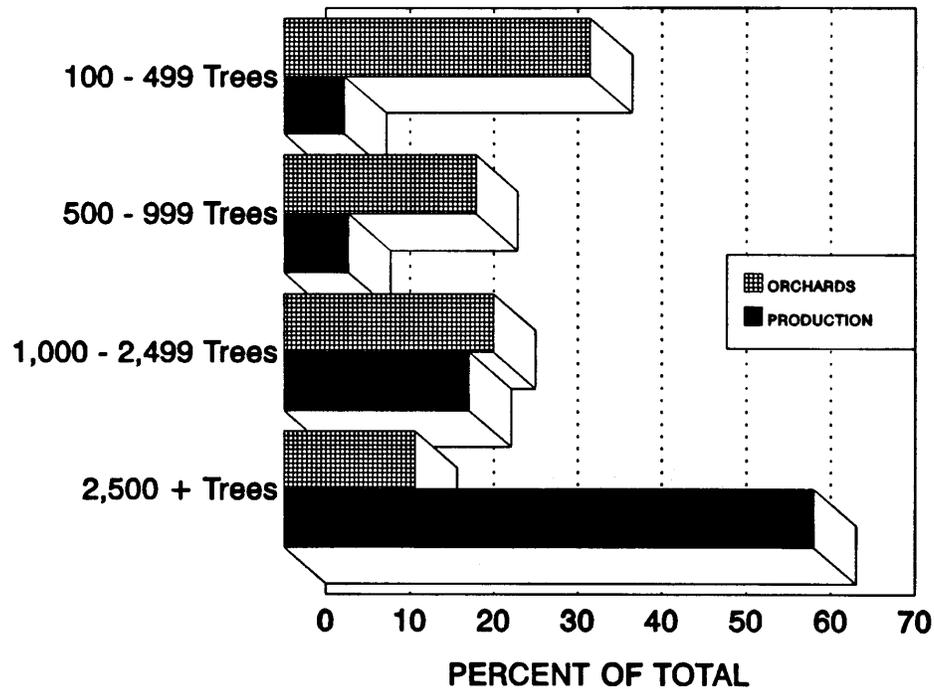
61 % OF ALL PEACH TREES HELD BY ONLY 15 ORCHARDS

PEACHES: NUMBER OF ORCHARDS, BEARING TREES,
AND PRODUCTION BY SIZE GROUP, TENNESSEE, 1993

Orchard Size (Trees)	Orchards		Bearing Trees		Production		
	Number	% of Total	Number	% of Total	Pounds	% of Total	Pounds/Tree
100 - 499	35	36.5	9,529	6.6	750,000	7.2	78.7
500 - 999	22	22.9	14,063	9.7	800,000	7.7	56.9
1,000 - 2,499	24	25.0	33,310	23.0	2,300,000	22.1	69.0
2,500 and over	15	15.6	88,098	60.7	6,550,000	63.0	74.3
TOTAL	96	100.0	145,000	100.0	10,400,000	100.0	71.7

**PEACHES - PERCENT OF ORCHARDS AND PRODUCTION BY SIZE GROUP
TENNESSEE, 1993**

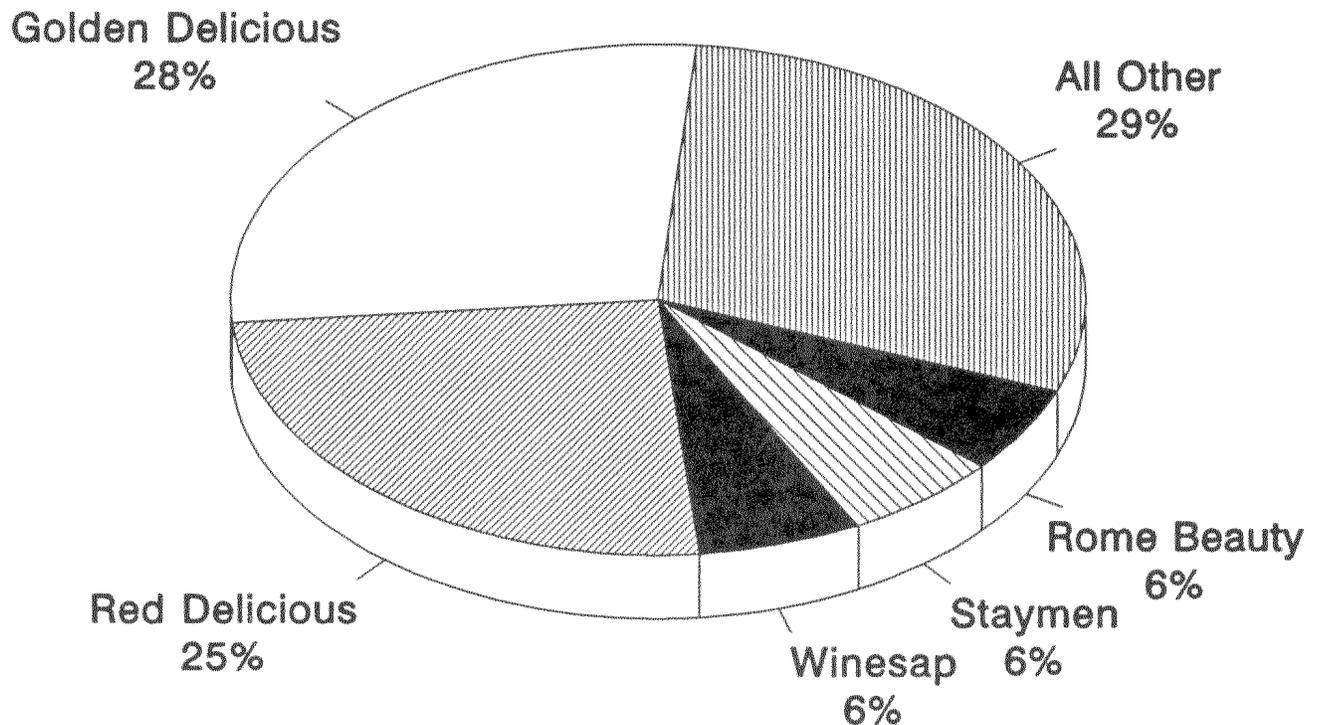
ORCHARD SIZE



APPLES

FAVORITE APPLE VARIETIES

Results of the 1993 survey showed that Golden Delicious has replaced Red Delicious as the most popular variety grown by Tennessee's apple producers. The two varieties have dominated the rankings for several years, and they accounted for over 50 percent of the total trees in 1993. Golden Delicious was the most popular variety back in 1967, but had lost favor to Red Delicious in recent years. Over a third of the Red Delicious trees have been removed since 1988, allowing Golden Delicious to reassume the number one position. There were substantially fewer Golden Delicious trees as well in 1993, contributing greatly to the loss of 29,000 trees in the state. Winesap, Staymen, and Rome Beauty, in that order, round out the top five apple varieties grown in Tennessee. The number of Winesap trees have remained relatively constant since 1978, while the number of Rome Beauty trees has increased by over 400 percent during the same period. The amount of Staymen trees being maintained for production has stayed level after seeing a large increase between 1978 and 1983. While the total number of apple trees declined from 1988 to 1993, some varieties posted notable increases. The number of Granny Smith trees nearly doubled from 1988 to 1993, and positioned itself for a possible top-five ranking in years to come. There were 4,000 more Mollies Delicious trees in 1993, securing a place in the top ten. Gala and Fuji also recorded substantial increases over 1988.



APPLES: NUMBER OF TREES BY VARIETY, TENNESSEE, SELECTED YEARS

Variety / 1993 Rank	1967	1978	1983	1988	1993
Golden Delicious . . . 1	31,122	35,568	58,019	67,703	53,868
Red Delicious 2	29,034	54,196	68,257	79,288	48,690
Winesap 3	2,304	11,604	11,247	11,233	12,013
Staymen 4	6,796	2,331	12,455	11,635	11,697
Rome Beauty 5	4,859	2,674	7,242	10,715	10,798
Jonathan 6	992	5,072	13,220	9,912	8,949
Granny Smith 7	¹	¹	1,490	3,811	7,010
Arkansas Black 8	¹	¹	1,879	4,911	4,784
Mollies Delicious . . . 9	¹	¹	¹	475	4,697
Ozark Gold 10	¹	¹	730	11,585	4,680
Gala 11	¹	¹	¹	1,394	3,902
Mutsu 12	¹	¹	1,310	2,444	3,279
Fugi 13	¹	¹	¹	200	2,040
Lodi 14	6,464	2,966	1,254	2,533	2,003
Jonagold 15	¹	¹	¹	1,548	1,890
Empire 16	¹	¹	870	2,735	1,517
Cortland 17	¹	¹	665	1,280	1,499
McIntosh 18	¹	¹	1,154	1,869	1,018
Other	12,449	6,406	9,917	7,831	6,850
Unknown	²	²	²	²	2,706
Total	94,020	120,817	189,709	223,102	193,890

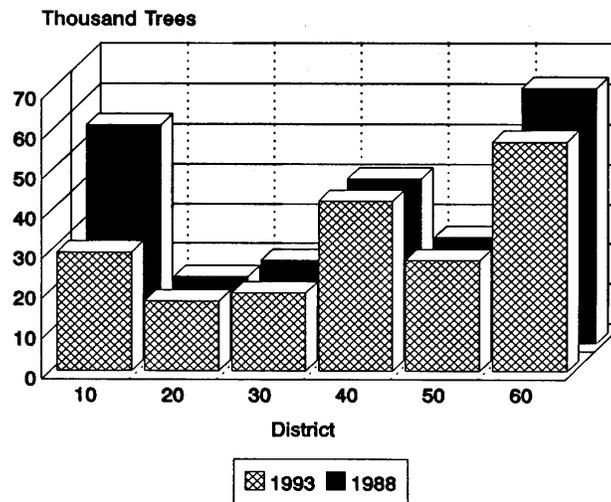
¹Varieties with less than 1,000 trees were included in 'Other'.

²Prior to 1 993, "Unknown" varieties were included with "Other" varieties.

APPLES: NUMBER OF TREES BY DISTRICT AND VARIETY, TENNESSEE, 1993

Variety	District						State
	10	20	30	40	50	60	
Golden Delicious	8,758	4,473	7,476	11,211	6,822	15,128	53,868
Red Delicious	7,790	4,584	5,506	11,148	7,533	12,129	48,690
Winesap	1,378	1,261	966	1,622	1,232	5,054	12,013
Staymen	604	303	260	275	1,784	8,471	11,697
Rome Beauty	2,050	673	279	2,882	2,065	2,849	10,798
Jonathan	4,154	390	285	2,885	512	723	8,949
Granny Smith	541	1,540	288	1,950	760	1,931	7,010
Arkansas Black	1,039	100	277	1,285	1,098	985	4,784
Mollies Delicious	630	0	278	3,466	140	183	4,697
Ozark Gold	1,018	1,080	307	576	687	1,012	4,680
Gala	100	300	514	935	671	1,382	3,902
Mutsu	20	200	293	760	1,385	621	3,279
Fugi	10	600	3	958	160	309	2,040
Lodi	654	237	126	539	86	361	2,003
Jonagold	0	130	208	388	405	759	11890
Empire	0	25	233	158	426	675	1,517
Cortland	0	0	130	20	394	955	1,499
McIntosh	229	50	54	21	340	324	1,018
Other	50	55	1,525	1,433	1,053	2,734	6,850
Unknown	53	1,310	400	56	53	834	2,706
TOTAL-1993	29,578	17,311	19,408	42,568	27,606	57,419	193,890
TOTAL-1988	54,566	16,508	20,562	41,203	26,517	63,746	223,102
% Change							
1988 to 1993	-45.8	4.9	-5.6	3.3	4.1	-9.9	-13.1

NUMBER OF APPLE TREES BY DISTRICT
TENNESSEE, 1988 & 1993



EAST TENNESSEE IS TOP APPLE REGION

Commercial apple orchards can be found in all areas of Tennessee, but in 1993, over 40 percent of the total apple trees were located in East Tennessee. In Middle Tennessee you can find a third of the trees, and in West Tennessee producers maintain less than a quarter of Tennessee's apple trees. While East Tennessee has contained most of the apple trees over the past 25 years, West Tennessee producers had contributed the next largest amount. However, since 1988, growers in West Tennessee have removed 34 percent of their trees, allowing the mid-state orchards to grow in importance without expanding their number of trees. From 1988 to 1993, East Tennessee producers showed a six percent tree reduction. The top two tree varieties, Golden Delicious and Red Delicious, can be found in all areas of Tennessee, but certain varieties are geographically specific. Nearly 90 percent of the Staymen trees are in East Tennessee orchards, while Jonathan trees are relatively rare in the area. Growers in the mid-state region harvest a wide assortment of varieties, and dominate in the number of Mollies Delicious trees. Varieties are fewer in West Tennessee, but nearly half of the Ozark Gold trees are located there.

APPLE TREE NUMBERS EXPECTED TO STAY STEADY IN 1994

Although the number of apple trees dropped considerably from 1988 to 1993, the change in inventory will not be as severe during the next five years if producers' intentions for 1994 are any indication. After the 1993 growing season was completed, orchard growers indicated that they expected to set out an additional 5,852 trees, but remove 6,158 trees in 1994. The net loss of 306 trees expected in 1994 is well below the average loss of 5,842 trees per year witnessed in the past five years. Growers did, however, indicate a shift in varieties. They plan to remove 2,508 more Red Delicious trees, with very little replacement. Golden Delicious trees are also expected to drop by over 1,000. An additional 1,753 Mutsu trees are expected to be set out, and the number of Gala trees is expected to climb by nearly 1,000 trees.

APPLES: NUMBER OF TREES, BY VARIETY AND AGE IN 1993 AND EXPECTED TREES FOR 1994

Variety	Total 1993	Bearing 1993	Non-Bearing 1993	To be Set Out in '94	To Be Removed in '94	Expected Trees in '94
Golden Delicious	53,868	50,590	3,278	260	1,602	52,526
Red Delicious	48,690	46,089	2,601	7	2,508	46,189
Winesap	12,013	11,098	915	0	345	11,668
Staymen	11,697	10,102	1,595	390	72	12,015
Rome Beauty	10,798	10,260	538	508	306	11,000
Jonathan	8,949	8,695	254	34	525	8,458
Granny Smith	7,010	6,451	559	150	135	7,025
Arkansas Black	4,784	3,545	1,239	564	129	5,219
Mollies Delicious	4,697	4,460	237	0	0	4,697
Ozark Gold	4,680	4,554	126	15	33	4,662
Gala	3,902	2,081	1,821	991	1	4,892
Mutsu	3,279	2,757	522	1,753	53	4,979
Fugi	2,040	623	1,417	74	0	2,114
Lodi	2,003	1,953	50	105	48	2,060
Jonagold	1,890	1,578	312	380	0	2,270
Empire	1,517	1,235	282	244	80	1,681
Cortland	1,499	1,407	92	30	0	1,529
McIntosh	1,018	1,008	10	0	0	958
Other	6,850	4,794	2,056	347	261	6,936
Unknown	2,706	1,720	986	0	0	2,706
TOTAL	193,890	175,000	18,890	5,852	6,158	196,584

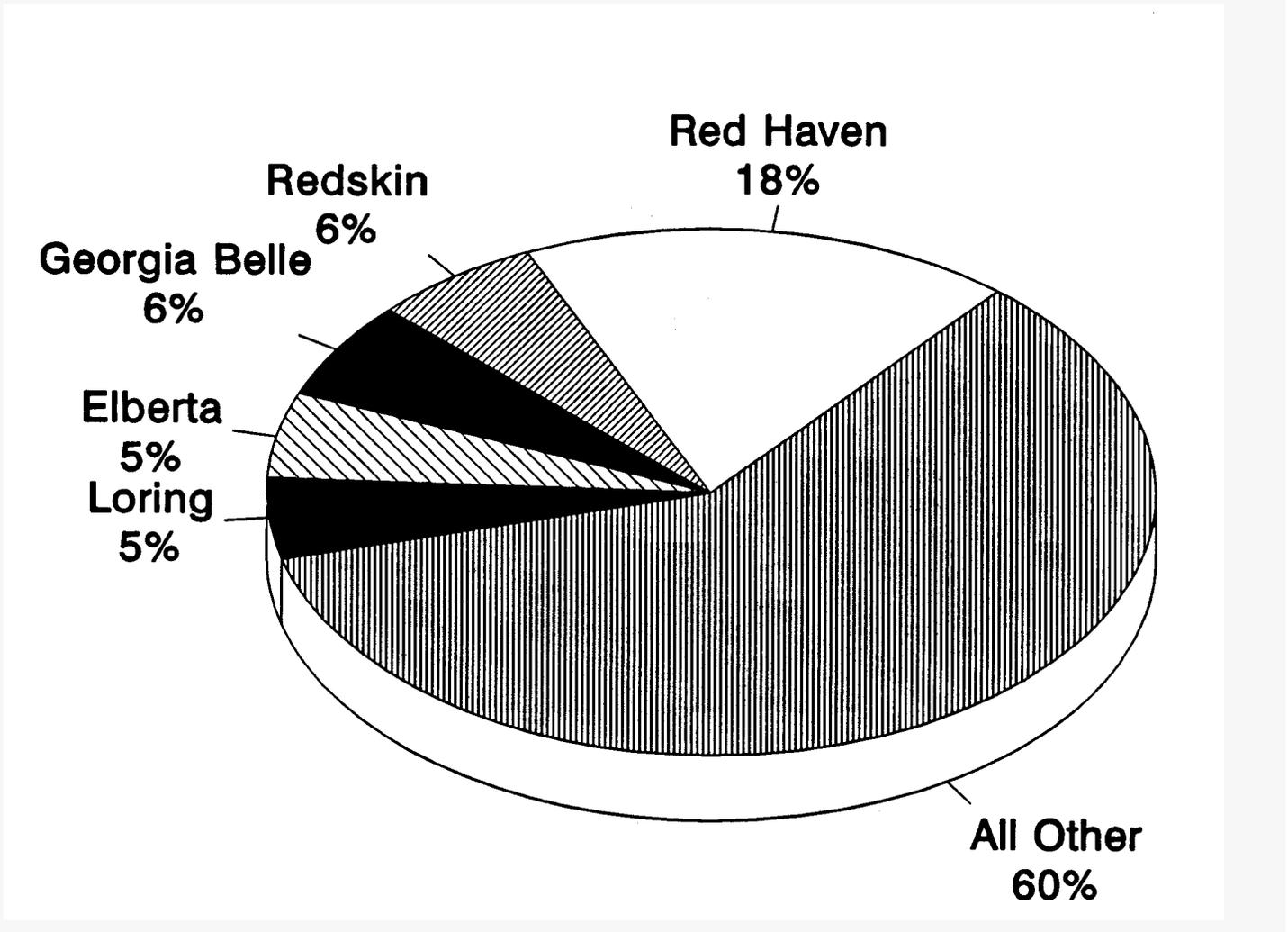
PEACHES

FAVORITE PEACH VARIETIES

The Red Haven peach variety is a clear favorite of Tennessee peach producers, outdistancing the second most popular variety, Redskin, by almost 18,000 trees. Red Havens, a consistent favorite since 1967, accounted for 18 percent of all peach trees in 1993, while Redskins represented six percent of the total trees. Georgia Belle, once nearly as popular as Red Haven, ranked a close third in 1993. Elberta and Loring showed similar decreases from 1988 to 1993, but each still made up approximately five percent of the total trees to rank fourth and fifth, respectively. To ensure a fresh supply of peaches throughout the summer, Tennessee's producers manage numerous other varieties. The top five varieties accounted for only 40 percent of all trees in 1993, compared to 71 percent for the top five apple varieties. There were an additional 38 peach varieties that numbered 500 trees or more in 1993. Most varieties showed a substantial decline from 1988 to 1993. The top five varieties all showed significant drops, while the decline in Harken, Sunhigh, and Topaz varieties should also be noted. One of the few varieties showing an increase in trees over the past five years was Sunhaven, which almost doubled.

PEACHES: NUMBER OF TREES BY VARIETY, TENNESSEE, SELECTED YEARS

Variety/ 1993 Rank	1967	1978	1983	1988	1993
Red Haven	11,403	23,952	32,957	37,065	27,008



Marsun	33	1	1	498	1,020	813
Spring Gold	34	1	1	1,675	2,335	800
Cardinal	35	2,449	1	2,219	1,636	776
New Haven	36	1	1	1	245	765
Sentinel	37	1	1	690	1,115	760
Ouachita Gold	38	1	1	1	457	760
Velvet	39	1	1	1,870	2,130	725
Sunprince	40	1	1	1	750	523
Winblo	41	1	1	776	1,205	523
Fairtime	42	1	1	1	200	521
J.H. Hale	43	1	1	1	653	500
Southland	-	1	1	1,420	1,620	1
Jersey Gio	-	1	1	1,415	1,130	1
Other		36,756	18,930	26,093	27,083	16,519
Unknown		2	2	2	2	6318
Total		99,266	94,276	170,103	204,396	151,535

¹Prior to 1993, varieties with less than 1,000 trees were included in 'Other'. In 1993, the cutoff for publication was lowered to less than 500 trees.²

Prior to 1993, 'Unknown' varieties were included with 'Other' varieties.

PEACHES. NUMBER OF TREES BY DISTRICT AND VARIETY, TENNESSEE, 1993

Variety	District						State
	10	20	30	40	50	60	
Red Haven	4,739	6,730	3,872	7,071	1,084	3,512	27,008
Redskin	2,980	4,218	913	700	30	600	9,441
Georgia Belle	1,125	3,185	980	1,166	427	2,432	9,315
Elberta	2,175	987	305	2,691	246	1,355	7,759
Loring	1,090	1,621	908	2,178	554	1,060	7,411
Biscoe	86	2,030	655	1,625	275	952	5,623
Rio-Oso-Gem	1,020	683	575	1,400	68	1,257	5,003
Red Globe	516	2,347	850	478	558	113	4,862
Surecrop	1,720	916	700	250	502	425	4,513
Sunhigh	675	1,570	100	1,100	50	650	4,145
Topaz	929	1,439	172	50	140	479	3209
Garnet Beauty	1,070	908	25	750	85	270	3108
Cresthaven	45	948	600	700	140	280	2,713
Glahaven	80	465	735	550	110	295	2,235
Harvester	60	550	650	960	0	0	2220
Madison	325	30	920	0	113	790	2178
Halehaven	150	385	955	530	0	22	2042
Sunhaven	0	663	660	275	419	0	2017
Derby	700	10	50	100	448	500	1808
Ranger	325	403	570	100	55	37	1,490
Harken	0	560	550	0	35	342	1487
Parade	0	610	550	0	0	239	1399
Nectar	820	60	100	35	106	115	1236
Jefferson	150	438	630	0	0	0	1218
Dixired	0	116	600	250	0	200	1166
Harmony	500	335	160	0	0	30	1025
Encore	200	300	0	155	150	160	965
Monroe	200	182	550	0	25	0	957
Tyler	0	375	0	0	25	550	950
Ruston Red	170	200	350	200	0	0	920
O'Henry	0	470	440	0	0	0	910
Jay Haven	518	180	0	0	201	0	899

Marsun	0	263	550	0	0	0	813
Spring Gold	0	150	550	0	100	0	800
Cardinal	0	0	0	461	0	315	776
New Haven	400	255	0	0	110	0	765
Sentinel	250	510	0	0	0	0	760
Ouachita Gold	0	210	550	0	0	0	760
Velvet	0	600	125	0	0	0	725
Sunprince	0	250	0	0	273	0	523
Winblo	0	245	100	0	98	80	523
Fairtime	0	521	0	0	0	0	521
J.H. Hale	300	50	0	150	0	0	500
Other	3,278	4,612	4,510	1,990	1,576	553	16,519
Unknown	933	1,583	1,458	1,270	255	819	6,318
TOTAL-1993	27,529	43,163	26,968	27,185	8,258	18,43	151,535
TOTAL-1988	43,000	58,096	33,547	25,113	11,21	33,43	204,396
% Change 1998 to 1993	-36.0	-25.7	-19.6	8.3	-26.3	-44.9	-25.9

NEARLY HALF OF STATE'S PEACH TREES ARE LOCATED IN WEST TENNESSEE

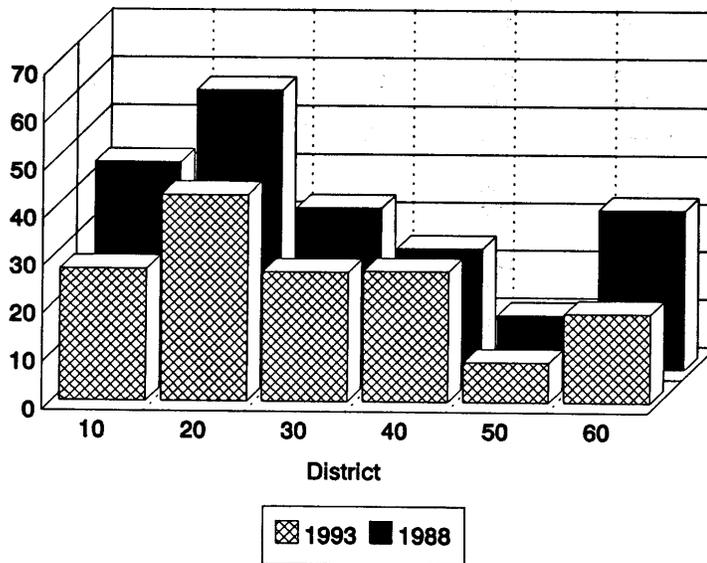
Despite showing a 30 percent reduction in trees from 1988 to 1993, West Tennessee Orchards still accounted for 47 percent of the total peach trees in 1993. Mid-state orchards held 36 percent of the trees and less than 20 percent of the trees were located in East Tennessee. All regions showed a decline in the number of trees since 1988, leading to a state-wide reduction of 26 percent in 1993. East Tennessee producers removed 40 percent of their trees during that time. Not only are there several different peach varieties grown in Tennessee, but most of the varieties can be found throughout the state. Red Haven is the most popular variety in all regions. West Tennessee producers prefer Redskin as the next favorite variety, but growers in Middle and East Tennessee still favor the Georgia Belle over Redskin. Certain varieties, such as Garnet Beauty, Surecrop, and Topaz, still find their popularity in West Tennessee.

MORE REDUCTION IN SIGHT FOR PEACH PRODUCERS

The number of peach trees is expected to continue its decline in 1994. Growers indicated that 9,504 of the 151,535 trees maintained in 1993 will be removed in 1994. They intend to set out only 1,627 new trees for 1994, resulting in a net loss of 7,877 trees. Nearly 2,000 Red Haven trees are slated for removal, but it is not enough to jeopardize its number one ranking. Producers also plan to remove a quarter of the Rio-Oso-Gem trees. The table on the following page shows how each variety is expected to fare in 1994.

**NUMBER OF PEACH TREES BY DISTRICT
TENNESSEE, 1988 & 1993**

Thousand Trees



PEACHES: NUMBER

Variety	1988	1993
Red Haven		
Redskin		
Georgia Belle		
Elberia		
Loring		
Biscoe		
Rio-Oso-Gem		
Red Globe		
Surecrop		
Sunhigh		
Topaz		
Garnet Beauty		
Cresthaven		
Glohaven		
Harvester		
Madison		
Halehaven	2,042	1,912
Sunhaven	2,017	2,017
Derby	1,808	1,708
Ranger	1,490	1,490
Harken	1,487	1,487
Parade	1,399	1,399
Nectar	1,236	1,136
Jefferson	1,218	1,218

Expected Trees in '94
25,285
9,061
9,079
7,252
7,216
4,873
3,773
4,514
4,493
4,145
2,659
2,963
2,303
2,110
2,220
1,678
2,042
2,017
1,808
1,290
1,385
1,399
1,236
1,268

Dixired	1,166	1,166	0	0	0	1,166
Harmony	1,025	1,005	20	0	4	1,021
Encore	965	965	0	0	106	859
Monroe	957	957	0	50	0	1,007

